



I-40/440

STIP I-5311/5338



I-40/440 Rebuild Project
www.ncdot.gov/projects/I40-440Rebuild





Project Scope

- Three Year Construction Project (2013-2016)
- Replace Concrete Pavement
- Bridge rehabilitation
- Installation of auxiliary lanes and other safety improvements
- Reduction in travel lanes during construction





Project Map

- From US 1 in Cary (Exit 293) to US 64 East (Knightdale Bypass (I-440 Exit 14))



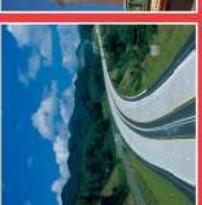
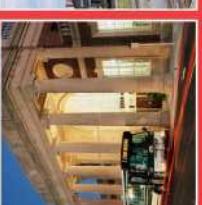
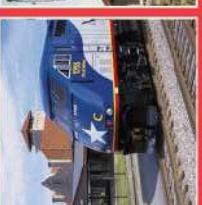
Source: NCDOT

The News & Observer



Multi-Modal Coordination

- Transit
- Rail
- Bike and Pedestrian
- Van Pools
- Telecommuting (Major Employers)





Stakeholders-Transit

- NCDOT-Public Transportation Division
- Capital Area Transit (CAT)
- Triangle Transit (TTA)
- Cary Transit (C-Tran)
- Durham Area Transit Authority (DATA)
- NCSU Wolfline





Stakeholders-Rail

- NCDOT Rail Division
- North Carolina Railroad
- Norfolk Southern
- CSX Transportation
- Amtrak





Stakeholders-Other

- NCDOT Divisions 4, 5 and 7
- NCDOT Bicycle and Pedestrian Division
- Capital Area Metropolitan Planning Organization (CAMPO)
- Regional Transportation Alliance
- Greyhound
- Area Colleges and Universities
- Major Employers (Research Triangle Park, State Government Federal Government, Medical Centers)

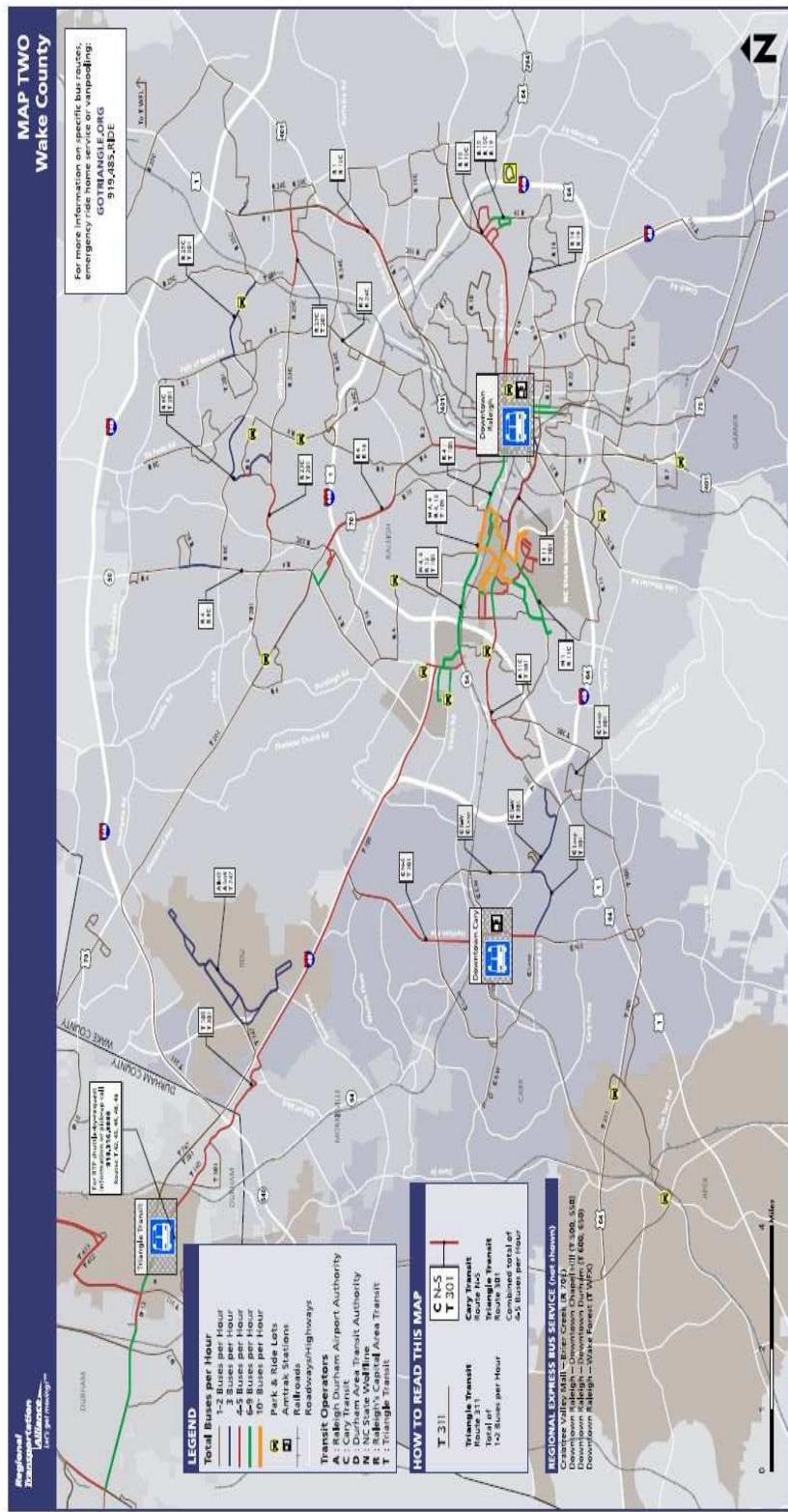


Proposed Transit Initiatives

- Increase transit service frequency
- Develop new transit service route connecting Johnston County to Downtown Raleigh/Research Triangle Park
 - Vanpool Program



Existing Transit Services and Park and Ride Lot Locations-Wake County



Sponsored by City of Raleigh Capital Area Transit Credit source: www.nc-state-university-transportation.org

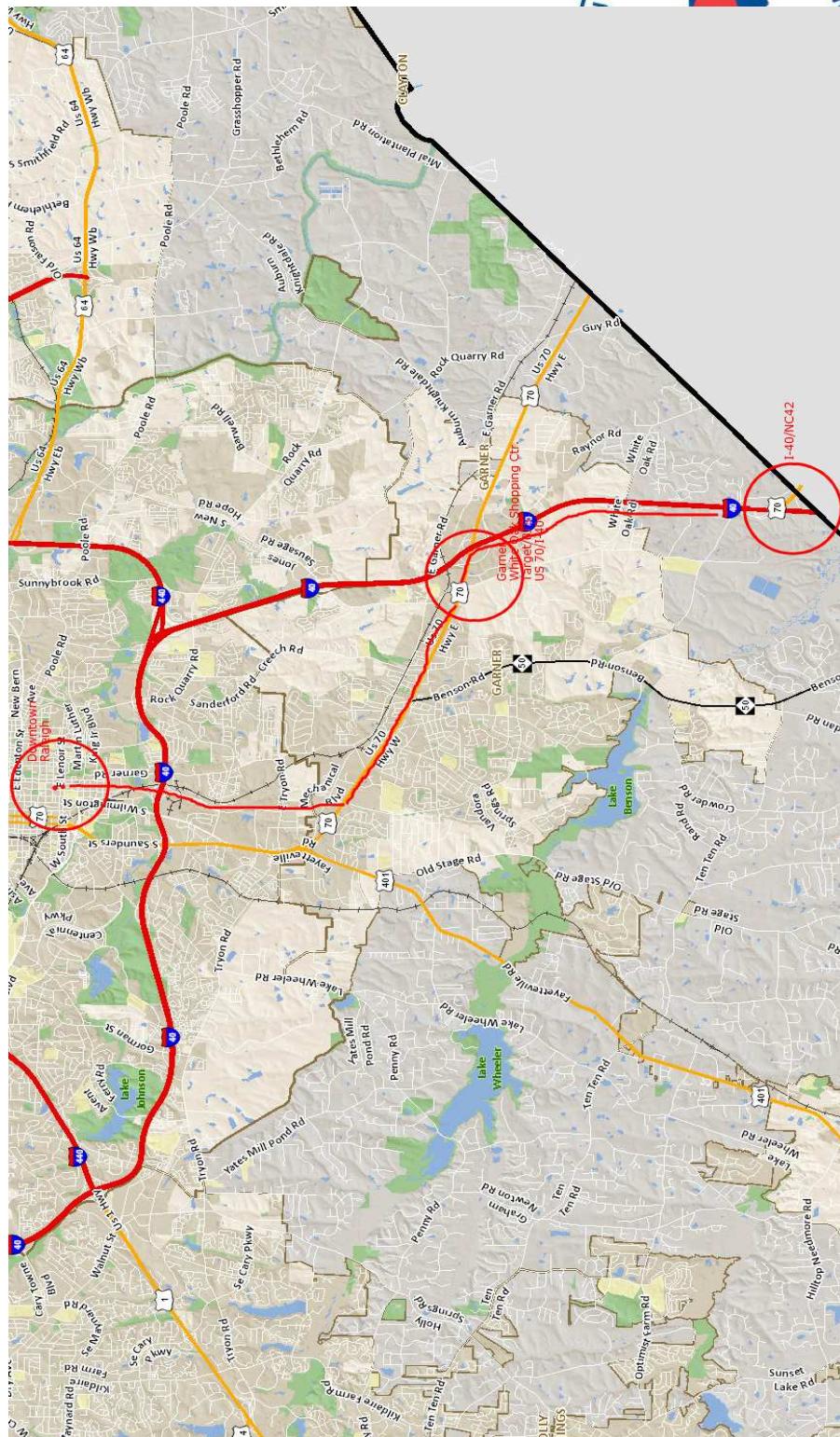


Transit Routes-Critical Needs

- Increase Frequency Along Existing Routes Serving Corridors (Cary to Raleigh, Garner to RTP)
- Identify existing routes that could be modified
- Coordinate with NCDOT and CAMPO on Traffic Signal Timing and Prioritization
- Explore new transit service route from Johnston County
- Vanpool Partnerships with Major Employers



Proposed Transit-Johnston County to Raleigh



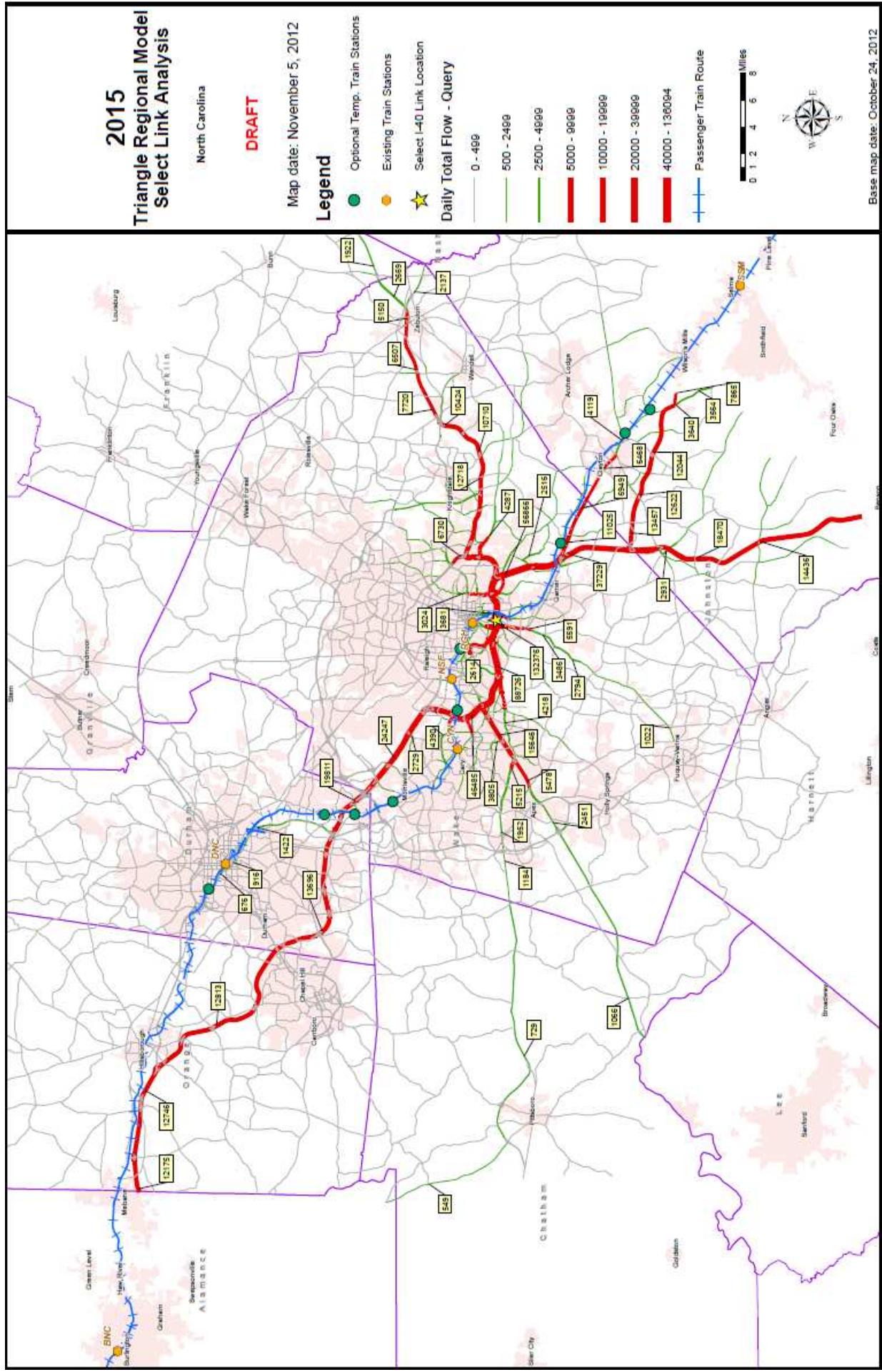


Proposed Transit Route Johnston County to Raleigh

- Proposed route follow I-40 to US 70 to Timber Drive into downtown Raleigh.
- Proposed Park and Ride Lots include:
 - Lowe's/Wal-Mart in Cleveland Crossing NC 42 and I-40 (Exit 312)
 - White Oak Crossing Shopping Center (Target, BJ's) in Garner (US 70 Business/US 70 West (Exit 306))
- Implement Bus on Shoulder Program between on I-40/NC 42 (Exit 312) and US 70 West (Exit 306)



Proposed Commuter Rail Project





Proposed Commuter Rail Project

Current train stations:

Selma/Raleigh/Cary/Durham

Potential Temporary Stations

Wilson Mills/Clayton/Garner/Greenfield Parkway/NCSU

West Raleigh/Morrisville/RTP/West Durham





Proposed Commuter Rail Project

Potential Equipment

Lease 2 or 3 train sets: Push/pull configurations

4 cars and cab control car





Proposed Commuter Rail Project

Conceptual Cost estimate

Three year time period

ITEM	Dollars (Millions)
Equipment	\$ 6 - \$11*
Stations	\$12 - \$15
Track and Structures	\$20 - \$30
TOTAL estimate	\$38 - \$56

*Depending on final service plan and availability





Proposed Rail Project

Illustrative schedules

MORNING

- East to west (Westbound) 5:30 a.m./ 7:00 a.m.
- West to east (Eastbound) 6:00 a.m.

EVENING

- West to east (Eastbound) 4:30 p.m./ 6:00 p.m.
- East to west (Westbound) 5:30 p.m.



Bicycle and Pedestrian

- Bike/Pedestrian relationship to transit/rail
 - “Last mile” of trip

Potential Opportunities

- Bike parking at stops/stations and destinations
- Bike racks on buses / bikes on trains
- Bike station
- Bike sharing
- Bike/pedestrian improvements
- Signage and wayfinding
 - Bike and pedestrian mapping
- Bike commuter mentor program





Bicycle and Pedestrian

Initiatives

- Regional Bike Share System - Raleigh, Cary, Garner, Knightdale, Wake Forest
 - Preliminary system launch - late 2014/early 2015
- Regional Pedestrian and Bicycle Access to Transit Plan - Triangle Region
 - 3- month study to identify bike/pedestrian improvement opportunities at selected stops and stations





Next Steps

- Finalize rail, transit and bike and pedestrian routes
- Ensure connectivity between all modes
- Identify funding options for all proposed ideas
- Craft and implement project communication strategy.





Questions??

